



**DESB MARINE  
SERVICES  
SDN BHD.**

**PROVIDING SERVICES TO THE  
MARINE/OFFSHORE INDUSTRIES**

**M.V. "DAYANG ZAMRUD"  
75M MAINTENANCE / WORK VESSEL**

**TECHNICAL SPECIFICATIONS**

No	Item	Specification	No	Item	Specification
01.	Vessel Name	DAYANG ZAMRUD	18	Propulsion Machineries	
02	Type of Vessel	Maintenance/ Work Vessel	a)	Main Engines	2 x CUMMIN KTA50 M2 @ 1800 BHP
03	Call Sign	9WKB5	b)	Marine Gearbox	2 x Reinjes WAF664
04	Plying Limit	Near Coastal	c)	Propeller	2 x 2100mm Mg bronze fixed pitch propellers.
05	Classification	American Bureau of Shipping.	d)	Bow Thruster	1 x tunnel unit of 8Ton thruster.
06	Class	ABS + A1 + AMS Offshore Support Vessel	19	Navigation & Communication Equipments.	
07	Port Of Registry	Kuching	a)	GMDSS	Furuno Radio - Area 3
08	Flags	Malaysia	b)	Gyro Compass	1 x Tokimec TG8000.
09	Horse Power	2 x 1800 BHP	c)	Radar	2 x Furuno FAR-2117.
10	Cruising Speed	10 Knots at 90% MCR	d)	Echo sounder	1 x Furuno FE700.
11	Endurance	28 days/ 5000NM range.	e)	SART	2 x ACR TelluSart Mk3.
12	Fuel Consumption		f)	EPIRB	1 x Saracom EB-10.
	Cruising Speed	approx. 500 Litres/hour	g)	Navtex Receiver	1 x Furuno NX-700.
	Generator	approx. 100 Litres/hour	h)	Autopilot	1 x Tokimec PR2000.
13	Main Characteristics.		i)	Speed Log	1 x RM Young 6206.
	L.O.A	75.00 M	j)	GPS Plotter	1 x Furuno GPS GP90.
	Breath Moulded	20.00 M	k)	AIS	1 x Furuno AIS FA150.
	Depth Moulded	6.50 M	l)	Magnetic Compass	1 x Daiko Keiki M150.
	Max Draft	5.00 M	m)	Voice Data Recorder	1 x Tokimec VDR
	Deck Strength	5 MT/sq m	20	Accommodation	Fully air conditioning total 189 berths, 1 x hospital, 1 x conference room, 1 x recreation room & 5 x offices
	Clear Deck space	Approx. 700 sq. m	21	Fire Fighting Equipments.	
	Deck Cargo	400 MT	a)	External Fire Pump	1 x 300 cu m/hr @ 10-12 bar
	Deadweight	3440.31 Tonnes at 5.2m draft	b)	Fire Monitor	2 x 150 cu m/hr @ 10-12 bar
14	Capacity		c)	Fire Extinguish system	Fixed Co2 system for Engine Room , Bow thruster room & Paint Store.
	Fuel Oil	575 cu.m	d)	Sprinkler system	As per Classification's & SOLAS requirements
	Fresh Water	1057 cu.m	e)	Fire Hydrants and Extinguishers	As per Classification's & SOLAS requirements
	SWB/FW	484 cu.m	22	Life Saving Appliances.	As per SOLAS 74/78 and amendments, Port of Registry and Classification's requirements.
	Lub Oil Storage	17 cu m	23	Other Equipments.	
	Sewage holding tank	16 cu.m	a)	Life Rafts	24 x 25 men located port & stbd LFC deck
	Dirty Oil tank	18 cu. m	b)	Rescue Boat	1 x 6 men Rigid type c/w davit & 40 HP outboard engine.
	Hydraulic Oil Tank	19 cu. m	c)	Manoverboard	2 x Comet.
	Water Maker (RO)	2 x 35 Tons/day.	d)	Deck flood light	16 x 400 W deck flood lights
15	Auxiliaries	3 x Cummins KTA 19 D / Stamford Main Genset 360KW /415V/ 3Ph/ 50Hz. 1 x Cummins 6CTA 8.3 D/ Stamford Emergency Genset 150KW /415V/ 3Ph/ 50 Hz.	e)	Compressor	2 x 5kW electric driven
16	Pumps		f)	Sewage Treatment	Hamworthy
	Bilges & Ballast Pump	2 x 75M3/hr at 45M	g)	Others	1 x Garbage Compactor
	Ballast/ Fire pump	1 x 170M3/hr at 105M	24	Owner	DESB Marine Services Sdn Bhd.
	G.S/ Fire Pump	1 x 170M3/hr at 105M	25	Designer	Conan Wu & Associates Pte Ltd.
	Fuel Transfer Pumps	1 x 15M3/hr at 18M & 1 x 50M3/hr at 57M	26	GRT/ NRT	3378/ 1013
	Fresh Water Pump	1 x 60M3/hr at 45M	27	Year Build	2009
	Emergency fire pump	1 x 35M3/hr at 45M	28	Yard	ShinYang Shipyard Sdn Bhd, Miri
17	Deck Machineries		29	Registered	Kuching
	Capstans	2 x 5 MT Plimsoll hydraulic capstans.	30	Official Number	333049
	4-point Mooring	4 x single drum c/w auto spooling, 40T @ 1 <sup>st</sup> layer w/ 38mm dia x 1200 wire rope, fitted with four (4) x 4000kgs Delta flipper anchors	31	IMO No.	9534767
	Deck Crane	1 x Favelle Favco model 6/10K Lattice Boom Type offshore marine crane accordance to API 2C, SWL 25t.			

**Particulars Are Correct At The Time Of Printing**

